## Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I			
My residence, post office addre	ess and citizenship are a	s stated below next to my	name,
I believe I am the original, firs first and joint inventor (if plura and for which a patent is soug SUBSTRATE, A METHOD OF M the specification of which is at	it and sole inventor (if or al names are listed below tht on the invention entit ANUFACTURING PRINTE	nly one name is listed below) of the subject matter we tled A PRINTED CIRCUIT B D CIRCUIT BOARD, AND A	ow) or an original, hich is claimed OARD, A BUILDUP N ELECTRONIC DEVICE
was filed on September	30 <u>, 2003</u> as		
United States Application		(or PCT International A	App cation Number)
and was amonded on Sor	stember 30, 2003 by Pre	eliminary Amendment (ii	pplicable).
I hereby state that I have revincted including the claims, as amen	iewed and understand th ded by any amendment	referred to above	it rifled specification,
I acknowledge the duty to dis 1.56.			1
I hereby claim foreign prior application(s) for patent or in designated at least one could below by checking the box International application havi	nventor's certificate, or so ntry other than the inition, any foreign applicating a filing date beare	ited Street listed below ion for patent or invent	and have also identified tor's certificate, or PCT
2002-287850 JAPAN		30 September 2002	
(Number) (Count	ry)	(Day/Month/Year Filed)	
(Number) (Count		(Day/Month/Year Filed)	
(Number) (Count		(Day/Month/Year Filed)	
I hereby claim the pnefit listed below.	under 35 U.S.C. § 119(	e) of any United States	provisional application(s)
(Application Number)	(Filing Date)		
<u> </u>			
(Application Number)	(Filing Date)		
I hereby claim the benefit u PCT International applicatio matter of each of the clair International application in acknowledge the duty to dis 1.56 which became available international filing date of the	n designating the Unite ns of this application is the manner provided sclose information which le between the filing da	s not disclosed in the pr by the first paragraph is material to patentabili	ior United States or PCT of 35 U.S.C. § 112, It as defined in 37 CFR §

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—— (Application Number)		—— (Filing Date)	 (Status - pate	nted, pending, abando	ned)
(Application Number)		(Filing Date)	(Status - patented, pending, abandoned)		
POWER OF AT agent(s) to prose connected therew	ecute this app	a named inventor, lication and transact	I hereby appoi all business ir	int the following and the Patent and	attorney(s) and/or Trademark Office
Robert L. Andersen Daniel N. Calder Joshua L. Cohen Kevin W. Goldstein Costas S. Krikelis Bruce M. Monroe Kenneth N. Nigon Allan Ratner Jonathan H. Spadt	Reg. No. 25,771 Reg. No. 27,424 Reg. No. 38,040 Reg. No. 34,608 Reg. No. 28,028 Reg. No. 33,602 Reg. No. 31,549 Reg. No. 19,717 Reg. No. 45,122	Lawrence E. Ashery Lowell L. Carson Rex A. Donnelly, IV William P. Hauser Benjamin E. Leace Andrew L. Ney Pamela D. Politis Robert P. Seitter Christopher M. Spletzer	Reg. No. 34,515 Reg. No. 48,548 Reg. No. 41,712 Reg. No. 26,277 Reg. No. 33,412 Reg. No. 20,300 Reg. No. 47,865 Reg. No. 24,856 Reg. No. 52,240	Steven E. Bach Kevin R. Casey Jacques L. Etkowicz Jack J. Jankovitz Christopher R. Lewis Paul F. Prestia James C. Simmons Frank Tise Stanley Weinberg	Reg. No. 46,530 Reg. No. 32,117 Reg. No. 41,738 Reg. No. 42,690 Reg. No. 36,201 Reg. No. 23,031 Reg. No. 24,842 Reg. No. 50,379 Reg. No. 25,276
	ite 301, One W	 estlakes, Berwyn, P.C at (610) 407-0700.	D. Box 980, Valle	ey Forge, PA 1948	32-0980
statements made were made with by fine or impris such willful false	e on information the knowledge onment, or bo statements ma	tatements made he on and belief are beli that willful false s th, under Section 10 by jeopardize the valid name, family name) Shig	eved to be true statements and 01 of Title 18 o dity of the applic	e; and further that d the like so ma of the United Stat cation or any pate	these statements de are punishable es Code and that
Inventor's signature	(3	,		Date	
Residence Osaka, Citizenship Japane Post Office Address		asago, Ibaraki-shi, Osa	aka 567-0851 J <i>A</i>	APAN .	
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~ -					
X Additional inve	ntors are heing na	med on separately number	red sheets attached	I hereto.	

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Innu inventor s signature	
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Sixth Inventor's signature	Date
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Citizenship	
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Full name of seventh joint inventor, if any (given name, family name)	
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Seventh inventor's signature	Date
Residence	
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